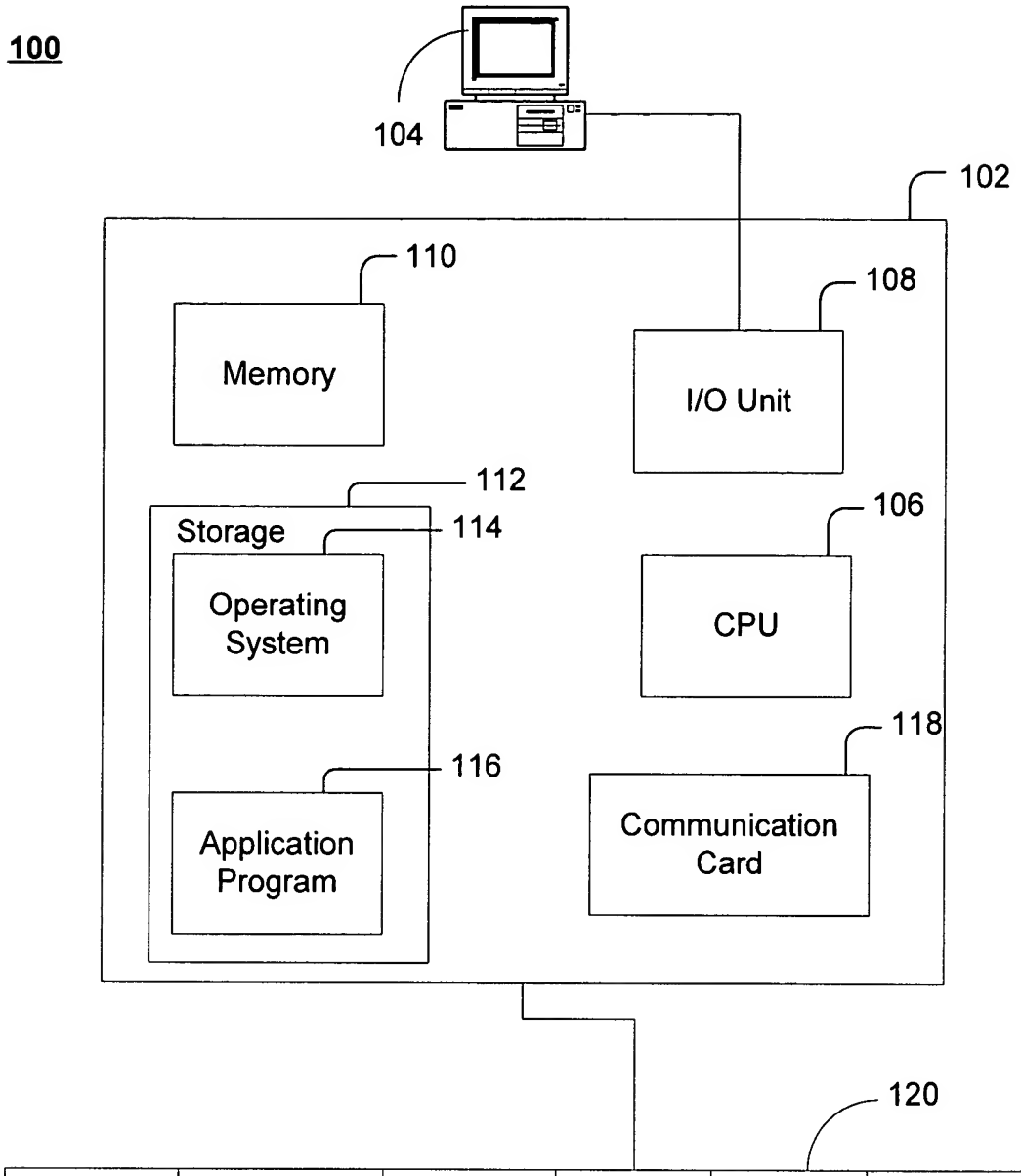

Object Type and Object ID	Direction and Semantics	Object Type and Object ID	Valid from	Valid to	Path Information
O1	B002	O2	...	...	...
O2	A002	O1	...	...	...
P2	A002	J1	...	...	O1... J1

FIG. 1

200

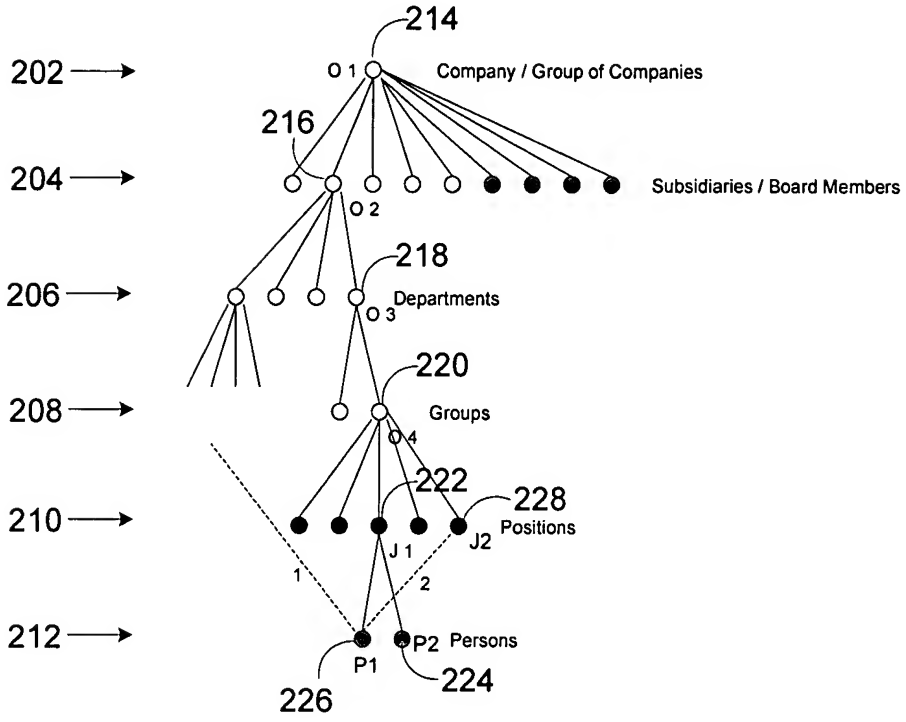
214
202
O 1
Company / Group of Companies
216
204
Subsidiaries / Board Members
O 2
218
206
Departments
O 3
220
208
Groups
O 4
222
228
210
Positions
J2
J 1
1
2
212
P2 Persons
P1
224
226

FIG. 2

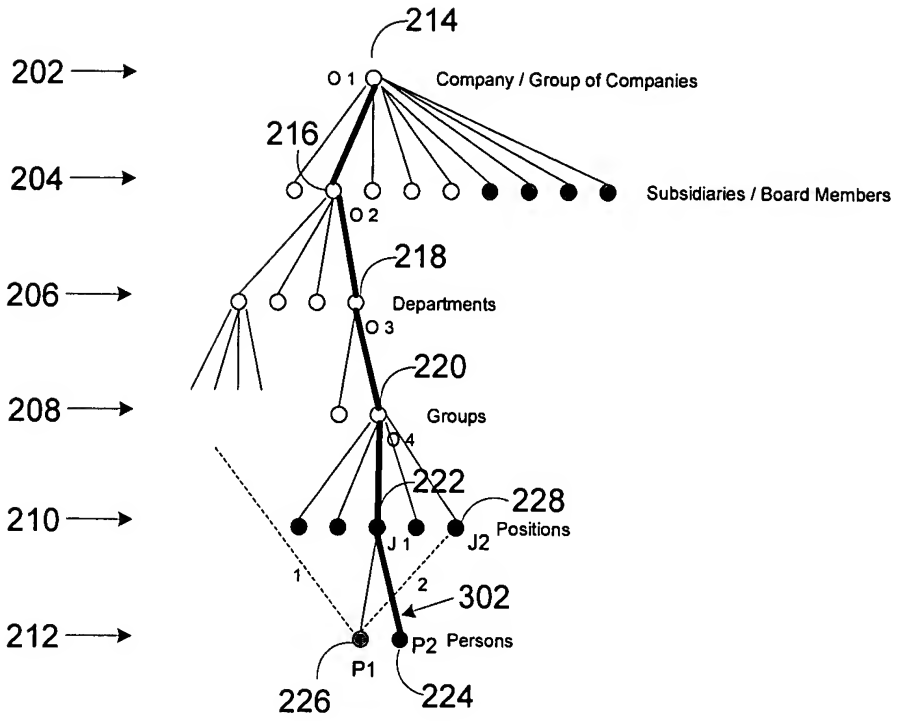
214
202
O 1
Company / Group of Companies
216
204
Subsidiaries / Board Members
O 2
218
206
Departments
O 3
220
208
Groups
O 4
222
228
210
Positions
J 1
J2
1
2
302
212
P2
Persons
P1
226
224

FIG. 3

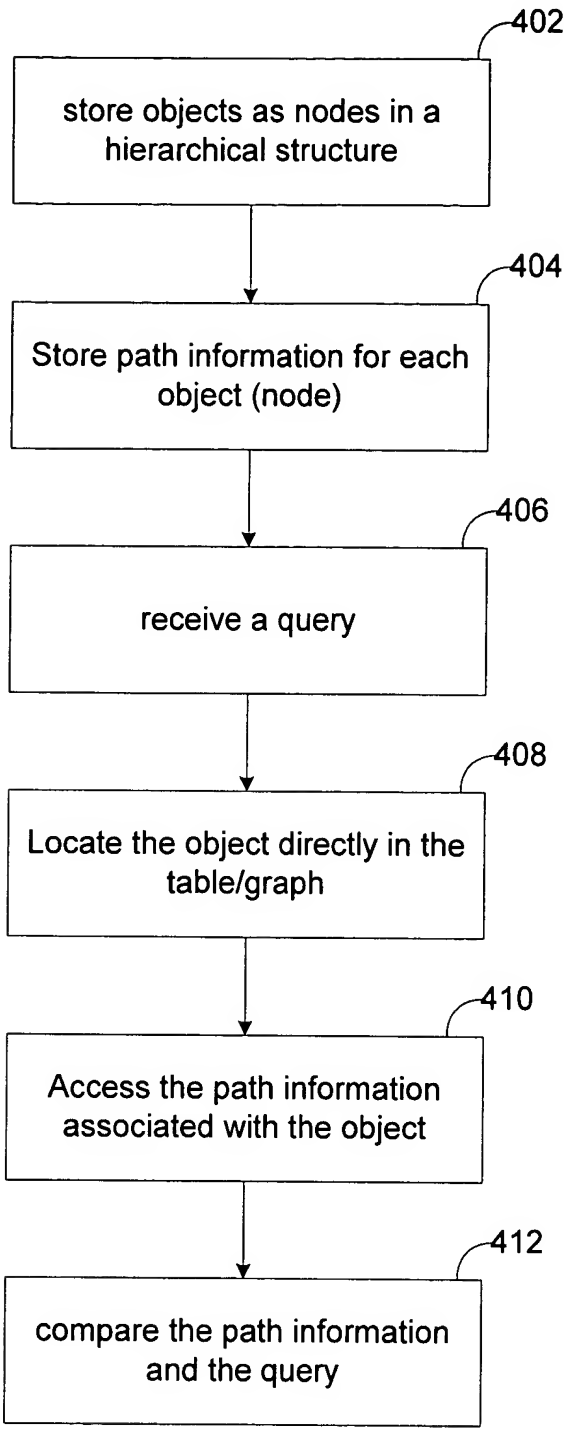
400
402
store objects as nodes in a hierarchical structure
404
Store path information for each object (node)
406
receive a query
408
Locate the object directly in the table/graph
410
Access the path information associated with the object
412
compare the path information and the query

FIG. 4